

Docket No. 283988US0PCT



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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Takashi KIKUKAWA, et al.

SERIAL NO: 10/563,012

GAU:

FILED: December 30, 2005

EXAMINER:

FOR: OPTICAL RECORDING MEDIUM AND PROCESS FOR PRODUCING THE SAME, METHOD FOR RECORDING DATA ON OPTICAL RECORDING MEDIUM AND METHOD FOR REPRODUCING DATA FROM OPTICAL RECORDING MEDIUM

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☒ Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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Form PTO 1449  
(Modified)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY Docket NO.  
283988US0PCTSERIAL NO.  
10/563,012

## LIST OF REFERENCES CITED BY APPLICANT

## APPLICANT

Takashi KIKUKAWA, et al.

## FILING DATE

December 30, 2005

## GROUP

## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL |    | DOCUMENT<br>NUMBER | DATE | NAME | CLASS | SUB<br>CLASS | FILING DATE<br>IF APPROPRIATE |
|---------------------|----|--------------------|------|------|-------|--------------|-------------------------------|
|                     | AA |                    |      |      |       |              |                               |
|                     | AB |                    |      |      |       |              |                               |
|                     | AC |                    |      |      |       |              |                               |
|                     | AD |                    |      |      |       |              |                               |
|                     | AE |                    |      |      |       |              |                               |
|                     | AF |                    |      |      |       |              |                               |
|                     | AG |                    |      |      |       |              |                               |
|                     | AH |                    |      |      |       |              |                               |
|                     | AI |                    |      |      |       |              |                               |
|                     | AJ |                    |      |      |       |              |                               |
|                     | AK |                    |      |      |       |              |                               |
|                     | AL |                    |      |      |       |              |                               |

## FOREIGN PATENT DOCUMENTS

|  |    | DOCUMENT<br>NUMBER | DATE     | COUNTRY                          | TRANSLATION |    |
|--|----|--------------------|----------|----------------------------------|-------------|----|
|  |    |                    |          |                                  | YES         | NO |
|  | AM | 2004-111004        | 04/08/04 | JP                               |             | NO |
|  | AN | 2004-87073         | 03/18/04 | JP                               |             | NO |
|  | AO | 2004-39177         | 02/05/04 | JP                               |             | NO |
|  | AP | 2004-30891         | 01/29/04 | JP (equivalent of US2003/228462) |             | NO |
|  | AQ | 2004-20822         | 01/22/04 | JP                               |             | NO |
|  | AR | 2004-158134        | 06/03/04 | JP                               |             | NO |
|  | AS | 6-262854           | 09/20/94 | JP                               |             | NO |
|  | AT |                    |          |                                  |             |    |

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

|  |    |   |
|--|----|---|
|  | AU | FUJI, Hiroshi et al., "A Near-Field Recording and Readout Technology Using a Metallic Probe in an Optical Disk", Japanese Journal of Applied Physics, Vol. 39, Part 1, No. 2B, Pages980-981, 2000.                      |
|  | AV | KIKUKAWA, T. et al., "Rigid bubble pit formation and huge signal enhancement in super-resolution near-field structure disk with platinum-oxide layer", Applied Physics Letters, Vol. 81, No. 25, Pages 4697-4699, 2002. |
|  | AW | T. OKikukawa et al., "Basic properties of Super-RENS disc with platinum oxide as a mask layer", 2002.   |
|  | AX | KIM, Jooho et al., "Super-resolution by elliptical bubble formation with PtO <sub>x</sub> and AgInSbTe layers", Applied Physics Letters, Vol. 83, No. 9, Pages 1701-1703, 2003.   |
|  | AY | KIM, Jooho et al., "Signal Characteristics of Super-RENS Disk at Blue Laser System", Technical Digest of International Symposium on Optical Memory, Pages 264-265, 2003.  |
|  | AZ | KIM, Jooho et al., "Random Pattern Signal Characteristics of Super-RENS Disk at Blue Laser System", Technical Digest of Optical Data Storage Topical Meeting, Pages 273-275, 2004.                                      |

☐ Additional References sheet(s) attached

Examiner

Date Considered

\*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

U.S. PCT Application Serial No: 10/563,012

Filed: December 30, 2005

Takashi KIKUKAWA, et al.

Docket No. 283988 US



## STATEMENT OF RELEVANCY

- 1) References AM - AS have been cited in the International Search Report. A copy of these references is being submitted herewith.
- 2) References            have been cited in the corresponding            Search Report. A copy of these references is being submitted herewith.
- 3) References AU - AV are discussed in the specification. A copy of these references is being submitted herewith.
- 4) References AW - AZ are additional prior art known to Applicant. A copy of these references is being submitted herewith.



Docket No.: 283988US0PCT

Serial No.: 10/563,012

Inventor: Takashi KIKUKAWA, et al.

LIST OF RELATED CASES CITED BY  
APPLICANT UNDER 37 CFR 1.56

Filing Date: December 30, 2005

Group:

**LIST OF RELATED CASES**

| <u>Examiner<br/>Initial</u> | <u>Docket No.</u> | <u>Serial or<br/>Patent<br/>Number</u> | <u>Filing or<br/>Issue Date</u> | <u>Patent App.<br/>Publication No.</u> | <u>Inventor or<br/>Applicant</u> |
|-----------------------------|-------------------|--|---------------------------------|--|----------------------------------|
|                             | 283988US0PCT*     | 10/563,012                             | 12/30/05                        |  | KIKUKAWA,<br>et al.              |
|                             | 283989US0PCT      | 10/562,901                             | 12/30/05                        |  | KIKUKAWA,<br>et al.              |
|                             | 277944US28XPCT    | 10/519,169                             | 12/20/04                        |  | KIKUKAWA,<br>et al.              |

Examiner

Date Considered

\*Present Application; listed for information  
NFO/ach/sbc